SERVICE BULLETIN

Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 290 **December 1999**

3752 *Kodak Min-R* MAMMOGRAPHY PROCESSOR

Servicing the New *Min-R* MAMMOGRAPHY PROCESSOR

Manufacturing of the new *Min-R* MAMMOGRAPHY PROCESSOR began in early December. This PROCESSOR replaces the *X-Omat* M35-M and M35A-M PROCESSORS. The *Min-R* MAMMOGRAPHY PROCESSOR operates at 200-240 Volt AC, 50 or 60 Hz. There are no plans to produce a 120 VOLT AC version. Service Personnel previously trained on the *X-Omat* 2000 or the *X-Omat* M35-M PROCESSOR, will not require any formal training to service the new Min-R MAMMOGRAPHY PROCESSOR.

Changes and new Features in the *Min-R* MAMMOGRAPHY PROCESSOR

Warning:

Many parts are **not** interchangeable with other similar PROCESSORS, even though they may appear to be the same. Always consult the PARTS LIST, Publication No. 3E0821, before installing any parts. Never attempt to install parts from the *Min-R* MAMMOGRAPHY PROCESSOR on older PROCESSORS. Doing so may result in a violation of regulatory agency electrical and material safety specifications, and void the agency registration for the equipment. It could also negatively affect overall film quality and decrease customer satisfaction.

From a service standpoint, the *Min-R* MAMMOGRAPHY PROCESSOR is similar to the *X-Omat* 2000 PROCESSOR, with the following major differences:

- Outward appearance reflects a new trade dress, NAMEPLATE, and film RECEIVING BIN.
- The ENTRANCE DETECTOR RACK no longer has a GUIDE SHOE, it is now incorporated in the DEVELOPER RACK.
- The DEVELOPER RACK has been completely redesigned for more precise film transport , with smaller diameter transport ROLLERS, a 3-ROLLER/ 2-SHOE TURNAROUND, and new EXIT ROLLERS.
- The DEVELOPER/ FIXER CROSSOVER RACK has new ROLLERS to reduce "Run-back" artifacts on the film, which are a result of incomplete removal of the developer solution.

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- The DRYER RACK has been redesigned to optimize drying, by incorporating a sliding SELECTOR PLATE with one setting for mammography film and one for general radiography film.
- The plumbing configuration is the same as the *X-Omat* M35-M PROCESSOR, but with a different orifice (.159" ID) in the Fixer plumbing.
- The PROCESSOR is shipped from the factory with the TIMER RELAY for Flooded Replenishment installed. It must be removed at installation for sites not desiring to use this function.
- At sites where the PROCESSOR will at times be used to process rapid cycle films, such as T-Mat G/RA and EB-RA, a larger DRIVE MOTOR SPROCKET and CHAIN are provided to convert the PROCESSOR to rapid cycle operation.
- There are several electrical changes which help meet new safety standards and improve film quality:
  <> A new TRANSFORMER
  <> A DIGITAL TEMPERATURE DISPLAY (same as the *X-Omat* M35-M PROCESSOR)
  <> Three SAFETY INTERLOCK SWITCHES- two for the TOP COVER, and one for the DRYER ASSEMBLY.
  <> A new higher-capacity DRYER BLOWER MOTOR.
  <> A Single speed DRIVE MOTOR (same as the *X-Omat* 2000 PROCESSOR)
  <> An INTERFACE JACK on the feed end for connection to the MINILOADER 2000P.

Publications:

BINDER COMPLETE **3E0814**

Includes the following Publications:

- Operator Manual 3E0815
- Site Specifications 3E0816
- Installation Instructions 3E0817
- Adjustments & Replacements 3E0818
- Diagnostics 3E0819
- Diagrams 3E0820
- Parts List 3E0821
- Preventive Maintenance 3E0822

Note: The BINDER COMPLETE, and the above publications are all available at Service Parts Management.

U.S. Distributors:

One BINDER COMPLETE has been sent to each authorized Kodak Distributor.

Kodak Personnel:

One BINDER COMPLETE has been sent to everyone currently on the mailing plan for the *X-Omat* M35 PROCESSOR (PL-3047), they will be placed on the new mailing plan, PL-3752, for the *Min-R* MAMMOGRAPHY PROCESSOR.

Larry Weishaar, Service Engineer- Rochester

For More Information:

U.S. Distributors Contact:

Health Imaging
Customer Support Operations
1-800-336-4722

GCSS Personnel Contact:

Film Handling TAC
U.S.: 1-800-822-1414
Canada: 1-800-433-1414
International: 716-724-4675

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Pub No. 5E2178

SB_#290.doc

Printed in USA

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